ABSTRACT OF THE DISCLOSURE

To provide a device capable of determining a delivery destination of an event automatically without requiring choosing operation of an operator. An event entered through an event input means 4 is given to a delivery destination determining means 6 which in turn determines to which of applications AP1, AP2, . . . , APn the given event is to be delivered according to the contents of the event and according to delivery destination determining information stored in a delivery destination determining information storing section, and delivers accordingly. Therefore, the event is delivered to an appropriate application even if the operator does not choose an addressed application.

FIG. 1 Image Overall configuration of event control device (1st embodiment)

4: Event input means 6: Delivery destination determining means

8: Delivery destination determining information storing section

AP1, . . . : Application

FIG. 2 Image Hardware configuration of digital broadcast receiver

Tuner TS decoder AV decoder TV set Memory Communication control section

Operation input section

FIG. 3 Image Event control program S1: Choose application of highest priority corresponding to event contents. S2: Is application active? S3: Choose application of second highest priority. 54: Deliver event to application. End

FIG. 4 Image Internet browser E-mail Tuning Decision Return Menu Power

FIG. 5 Image E-mail Create Transfer Communication Delete Display Internet browser File Edit Return Advance

FIG. 6 Image E-mail File Edit Display Mail Create Sender All people Transfer Communication Delete Sender Subject Sato Bon dance Uchida Swimming meet Takagi General cleaning Kondo Cicada catching Hi. I'm sato. We give a bon dance as follows: Date: August 14, 15

FIG. 7 Internet browser File Edit Display Move Print Return Advance Suspend Renew Favorite Home Address

FIG. 8 External view of remote controller Menu Submenu Recommend Return Decision Program table Other program Promo Broadcast contents Page Channel Pre-tune

FIG. 9 Overall configuration of event control device (2nd embodiment)

4: Event input means 6: Delivery destination determining means

8: Delivery destination determining information storing section

10: Delivery destination determining information changing means

FIG. 10 Event specifying information Combination of application Internet browser E-mail Tuning Decision Return Menu Power

FIG. 11 Combination of application Internet browser Tuning Event reception specifying information

FIG. 12 Event control program (Controlling delivery destination information)

Start Acquire information on active application Choose event reception specifying information End

FIG. 13 Event control program (Controlling delivery destination)

Start Choose application specified as corresponding to event contents in reference to currently chosen event reception information. Deliver event to application. End

FIG. 14 Overall configuration of event control device (3rd embodiment)

4: Event input means 6: Delivery destination determining means

8: Delivery destination determining information storing section Delivery priority information Event reception specifying information 10: Delivery destination determining information changing means

FIG. 15 Delivery priority information

FIG. 16 / 17 Event reception specifying information

FIG. 18 Event control program (Controlling delivery destination)

Start Acquire information on active application. Choose event reception specifying information End

Event control program (Determining delivery destination)

Start Choose application of highest priority corresponding to event contents in

reference to delivery priority information. Determine if event is to be delivered to application in reference to currently chosen event reception information. Deliver event to application. Is priority the lowest? Choose application of second highest priority corresponding to event contents in reference to delivery priority information. End

FIG. 20 Internet browser File (1) New (2) Open (3) Close (4) Rewrite Edit Display Move Print Go Halt Renew Favorite Home

FIG. 21 Event specifying information

FIG. 22 Delivery priority information Numeral Cursor

FIG. 23 Event reception specifying information

FIG. 24 Event grouping information

FIG. 25 Overall configuration of event control device (4th embodiment)

4: Event input means 6: Delivery destination determining means

8: Delivery destination determining information storing section Delivery priority information Event reception specifying information Delivery property information 10: Delivery destination determining information changing means

FIG. 26 Delivery property information Share (over) Share

FIG. 27 Event control program Start Delivery destination determining process shown in FIG. 19 No delivery Delivery Acquire delivery property information on given event. Delivery property information " " o r "Shore over" "Share" Lower priority. End

FIG. 28 Overall configuration of event control device (5th embodiment)

Application startup information

FIG. 29 Active Not active

FIG. 31 Event executing information

FIG. 32 Event processing program Acquire event executing information. Is execution possible? No Yes Execute process for the event. Drop the event.

End.

FIG. 33 Overall configuration of transmitter (7th embodiment) Contents information Receivable event information Control information Multiplexing means Transmitting means

FIG. 34 Overall configuration of receiver (7th embodiment) 210: Receiving means 216: Interactive demultiplexing application 220: Event control means 222: Receivable event information 218: Control application 214: Event input means Broadcast contents

FIG. 35 Constitution details of transmitter 230: Control data creating section 232: Video encoder 234: Audio encoder 236: Data control section Multiplexing section Modulating section

FIG. 36 Data packeting

FIG. 37 Packeted data structure Contents data

FIG. 38 Video data Audio data PID of PMT1

FIG. 39 Transfer spec Service list FIG. 40 HTML data

FIG. 41 Hardware configuration of digital broadcasting device

Tuner TS decoder AV decoder TV set Memory Communication control section Operation input section

FIG. 42 Receivable event table

FIG. 43 This is test 1. This is test 2.

FIG. 44 210: Receiving means 216: Interactive demultiplexing application 218: Control application 220: Event control means 222: Receivable event information 214: Event input means

FIG. 45 Overall configuration of transmitter (8th embodiment)

Contents information Receivable event information Receivable event changing information Control information Multiplexing means Transmitting means

FIG. 46 (44) Overall configuration of receiver (8th embodiment)

224: Receivable event changing information Broadcast contents

FIG. 47 TV inquiry Age Sex Male Female Program impression Very interesting

Interesting Dull

FIG. 48 Receivable event table

FIG. 49 TV inquiry Age Sex Male Female Program was: Very interesting

Interesting Dull FIG. 50

FIG. 51 (FIG. 2) Hardware configuration of digital broadcast receiver

27: IC card